

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. Please amend Claims 1 and 3 as indicated in the following Listing of Claims. Please cancel Claims 2 and 6-16. Please add new Claims 17-24.

Listing of Claims

1. (Currently amended) A method for detecting compounds that ~~effect~~ affect cell proliferation comprising:

(a) ~~adding to cells a composition comprising a compound suspected of effecting cell proliferation~~ a compound having unknown cellular proliferative activity to a first cell culture;

(b) ~~measuring cell proliferation~~ the amount of HSPG in the first cell culture; and

(c) ~~comparing cell proliferation in (b) to cell proliferation in cells~~ the amount of HSPG in the first cell culture to the amount of HSPG in a second cell culture not treated with the compound.

2. (Cancelled)

3. (Currently amended) The method of claim 3 ~~2~~, wherein the HSPG is perlecan, syndecan, or glypican.

4. (Original) The method of claim 2, wherein the HSPG is perlecan.

5. (Original) The method of claim 1, wherein the compound is a chemical element, molecule, compound, mixture, emulsion, chemotherapeutic agent, pharmacological agent, hormone, antibody, growth factor, cellular factor, nucleic acid, protein, peptide, peptidomimetic, nucleotide, carbohydrate, and combinations, fragments, analogs or derivatives of such entities.

6-16. (Cancelled)

17. (New) The method of Claim 1, wherein the compound stimulates production of HSPG.

18. (New) The method of Claim 1, wherein the compound inhibits production of HSPG.

19. (New) The method of Claim 1, wherein the compound stabilizes production of HSPG.

20. (New) The method of Claim 1, wherein the first cell culture and second cell culture are grown in serum-containing media.

21. (New) The method of Claim 1, wherein the first cell culture and second cell culture are grown in serum-free media.

22. (New) A method for detecting compounds that affect cell proliferation comprising:
(a) adding a compound having unknown cellular proliferative activity to a first cell culture;
(b) measuring the amount of perlecan in the first cell culture; and
(c) comparing the amount of perlecan in the first cell culture to the amount of perlecan in a second cell culture not treated with the compound.

23. (New) A method for detecting compounds that affect cell proliferation comprising:
(a) adding a compound having unknown cellular proliferative activity to a first cell culture;
(b) measuring the amount of syndecan in the first cell culture; and
(c) comparing the amount of syndecan in the first cell culture to the amount of syndecan in a second cell culture not treated with the compound.

24. (New) A method for detecting compounds that affect cell proliferation comprising:
- (a) adding a compound having unknown cellular proliferative activity to a first cell culture;
 - (b) measuring the amount of glypican in the first cell culture; and
 - (c) comparing the amount of glypican in the first cell culture to the amount of glypican in a second cell culture not treated with the compound.